

~~SECRET~~

CMC Doc. No. 151x5.7/6

Approved For Release 2000/09/01 : CIA-RDP81B00878R000200050058-7

SAPC 19506  
COPY 1 OF 1

Reply to report of 14 August 1957 (cont'd)

From: [REDACTED]

FOIAb3a

4. Don't understand your statements on thermal effects. You seem to be saying: We have troubles in the 60°-70°C temperature range, the temperature of our units reaches 60°-70°C; therefore we will not have trouble with thermal effects. Further studies on this point being undertaken here.

4, 5, 6.3, 6.6 No answer.

6.7 It is necessary to shunt third LO in any case to prevent third LO radiation interference. Limiters in second LO will be quite adequate to control the oscillator if a higher level injection is possible after some improvement in transmission line.

6.8, 6.9, 6.10, 6.11 No answer.

6.12, 6.14 W1501 seems to fit well here when properly installed. It appears essential that it be laid in first, before other two J-box cables. Do you do this? No news on cable for bench use. Will find out what I can.

6.15 Two points here where it is helpful to have HP counter, at least for pre-adjustment of oscillator,

- a. It is possible for the crystal to run in a parallel mode, with frequency way off
- b. We are attempting to maintain frequency accuracy to 10-30 kc/s and it is quite easy to mistune a crystal so that it is throwing us way off, even in the proper mode.

Incidentally, I would be interested in any figures you have on how far off frequency you are able to mistune these oscillators.

FOIAb3a

[REDACTED]

Encl. (1) Methods of Suppressing Pulses (unclassified)

Approved For Release 2000/09/01 : CIA-RDP81B00878R000200050058-7

~~SECRET~~